

ABSTRACT OF THE DISCLOSURE

An ultrasonic imaging apparatus capable of scanning an object at a high speed while obtaining necessary information. The apparatus includes an ultrasonic probe for transmitting
5 and receiving ultrasonic waves, an excitation timing controller for providing delays to a plurality of drive signals so as to scan the object by using the ultrasonic beam with a scanning line density, a phase matching calculating unit for processing electric signals obtained by receiving the
10 ultrasonic echoes to obtain detection signals representing ultrasonic information along scanning lines respectively, a discontinuous region determining unit for determining continuity of a boundary of medium residing within the object on the basis of the plurality of detection signals, and a
15 scan control unit for setting up a lower scanning line density and then a higher scanning line density for the excitation timing controller based on a determination result of the discontinuous region determining unit.